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United States Patent [19]**Suzuki et al.**[11] **Patent Number:** **5,757,681**[45] **Date of Patent:** **May 26, 1998**[54] **ELECTRONIC APPARATUS WITH AN INPUT PEN**[75] Inventors: **Koji Suzuki**, Tenri; **Kazumasa Fujimura**, Yamatokoriyama, both of Japan[73] Assignee: **Sharp Kabushiki Kaisha**, Osaka, Japan[21] Appl. No.: **662,117**[22] Filed: **Jun. 12, 1996**[30] **Foreign Application Priority Data**

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[51] **Int. Cl.⁶** **G06F 1/16**[52] **U.S. Cl.** **364/705.03; 364/708.1; 364/709.11; 361/686**[58] **Field of Search** 364/705.03, 708.1, 364/709.01, 709.11; 361/679, 683, 686[56] **References Cited****U.S. PATENT DOCUMENTS**5,555,157 9/1996 Noller et al. 361/683
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An electronic apparatus with an input pen is provided with an apparatus main body wherein the input pen is housed, and a hard cover which is attached to the apparatus main body in a covering manner so as to be freely opened and closed. The apparatus main body is provided with a lock button that is pressed from outside toward inside, a pressing member that presses and urges the inside end of the housed input pen outwardly, an engaging member that engages the hard cover in its closed state, a cover holding member that releases the engagement where it is shifted, and a pen holding member that engages the input pen. Here, the lock button is connected to the pen holding member, and the cover holding member is placed with a space to the inside end face of the lock button so that, when the lock button has been shifted until there is no space left, it is pressed by the lock button. This arrangement makes it possible to carry out a sequence of operations, that is, the opening operation of the hard cover and the taking-out operation of the input pen, by merely performing a single combined operation of the input pen.

21 Claims, 15 Drawing Sheets